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Dr. James E. Carnes
President and Chief Executive Officer
David Sarnoff Research Center

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Dr. James E. Carnes is President and CEO of the David Sarnoff Research Center. The Center conducts industry and government-supported electronics research in areas such as digital HDTV, interactive multimedia, digital video over satellite and cable, flat panel displays, solid state lasers and infrared imaging systems. Offices are in Princeton, NJ.

Dr. Carnes, who has had 26 years combined service with Sarnoff and its RCA predecessor, became Sarnoff's President in 1990. A recognized authority in the field of charge-coupled devices, he has played a major role in Sarnoff's work in High Definition Television (HDTV) since 1987.

Dr. Carnes joined RCA Laboratories in 1969 as a Member of the Technical Staff and worked in the area of MOS device structures, particularly CCD technology and applications.

In 1977 he transferred to RCA's Consumer Electronics Division in Indianapolis, where he held a variety of management positions in integrated circuit design and development and TV advanced development. In 1982 he was appointed Division Vice President, Engineering, at the Consumer Electronics Division. He returned to Princeton in 1987 as Vice President, Consumer Electronics and Information Sciences Research when Sarnoff became a subsidiary of SRI International, which is headquartered in Menlo Park, California.

Dr. Carnes has been issued nine U.S. patents and is the author of more than 100 papers and presentations. In 1981 he was a recipient of the David Sarnoff Award for Outstanding Technical Achievement "for the development and implementation of a CCD comb filter integrated circuit in color television receivers."

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A native of Hagerstown, Maryland, he received a B.S. degree in Engineering Science from The Pennsylvania State University in 1961. In 1970, after serving four years in the U.S. Navy, he earned a Ph.D. degree in Electrical Engineering from Princeton University.

Dr. Carnes is Chairman of the Board, Sensar, Inc. — a Sarnoff spin-out company which develops and commercializes computer vision-based products. He also serves on the Board of Directors for four other Sarnoff spin-out companies: Sarnoff Real Time Corporation, which is commercializing video server technology; Sarif, Inc., LCD-based electronic projectors; Delsys Pharmaceutical Corporation, dry drug delivery; and Orchid Biocomputer Inc., devices for drug discovery. He serves on the NJ Institute of Technology Board of Overseers, and is a Trustee at Rider University, NJ Inventors Congress and Hall of Fame, Independent College Fund of NJ, and on Boards of Directors for NJ State Chamber of Commerce and Thomas Edison State College Foundation. He is past President of Rider College's Science Advisory Board and a member of NJ Business-Higher Education Forum. The 1992-93 Campaign Chairman for United Way-Princeton Area Communities, he presently serves as Chairman, Board of Trustees, United Way of Greater Mercer County.

A Fellow of the Institute of Electrical and Electronics Engineers, he received the IEEE Centennial Medal in 1984 and the 1993 IEEE Region I Award. He was the 1991 recipient of the Engineer of the Year Award from the Central Jersey Engineering Council, and of The Pennsylvania State University's Outstanding Engineering Alumnus Award in 1992. He is a 1994 recipient of the Humanitarian Award from the Greater Princeton Area National Conference of Christians and Jews.

He is married to the former Nancy Zolto of Middlebush, NJ and has one daughter. They reside in Pennington, NJ.

October 1995